

Abstract

A web application event framework which allows for robust, fully functional web-enabled applications based on real-time interactivity. A web server creates proxies which establish persistent listening objects between a web browser and an application server. The web browser hosts the listener application, as well as a publisher application and the web application event framework, preferably in different HTML frames. Upon request from a user, the web application event framework start controller creates a session object which establishes a persistent connection between the web browser and the web server and maintains a session state. The session object creates one or more application instance objects, which maintain an application state specific to the functionality of the application. The web application event framework application creates a listener to listen for a specific set of events, and each event is published to the web server through the established session object connection. The listener frame receives the event and notifies the application frame that an event has occurred, and the application code executes appropriate script to notify the user that the event has occurred. Events are published from a web application event framework application by a user submitting an event in the web environment. The event data is interpreted by the web server and passed to the web application event framework generator on the application server, which creates web application event framework events for all users who have established a listener relating to the application in which the event has occurred and delivers these events to the users through the application listener.